

Appendix G. Species Sensitivity Distribution

Table G.1. Freshwater fish species sensitivity distribution for technical rotenone based on the 96-h median lethal concentration.				
Relative Species Sensitivity (%p)	Percentile	Zp	Pt Estimate log10	Pt. Estimate (ppb)
5	0.05	-1.645	0.231297624	1.703325404
10	0.1	-1.282	0.41540217	2.602568504
20	0.2	-0.842	0.638559195	4.350700575
25	0.25	-0.675	0.72325743	5.287585827
30	0.3	-0.524	0.799840864	6.307261882
40	0.4	-0.253	0.937285304	8.655363353
50	0.5	0	1.065600594	11.63055914
60	0.6	0.253	1.193915884	15.62844914
70	0.7	0.524	1.331360324	21.44669247
75	0.75	0.675	1.407943758	25.58254567
80	0.8	0.842	1.492641993	31.09152276
90	0.9	1.282	1.715799018	51.97554098
95	0.95	1.645	1.899903564	79.41518728

Table G.2. Freshwater fish species sensitivity distribution for formulated rotenone based on the 96-h median lethal concentration.				
Relative Species Sensitivity (%p)	Percentile	Zp	Pt Estimate log10	Pt. Estimate (ppb)
5	0.05	-1.645	-0.245016084	0.568831864
10	0.1	-1.282	0.025635849	1.06080571
20	0.2	-0.842	0.353698798	2.257869295
25	0.25	-0.675	0.478213599	3.007555141
30	0.3	-0.524	0.590798838	3.897614101
40	0.4	-0.253	0.79285579	6.206629059

50	0.5	0	0.981491986	9.582790331
60	0.6	0.253	1.170128182	14.7954501
70	0.7	0.524	1.372185134	23.56053425
75	0.75	0.675	1.484770373	30.53306297
80	0.8	0.842	1.609285174	40.67103031
90	0.9	1.282	1.937348123	86.56615408
95	0.95	1.645	2.208000056	161.4358765